

North Dakota State Water Commission

900 EAST BOULEVARD AVENUE, DEPT 770 • BISMARCK, NORTH DAKOTA 58505-0850
701-328-2750 • TDD 701-328-2750 • FAX 701-328-3696 • INTERNET: <http://swc.nd.gov>

October 30, 2008

North Dakota Department of Health
Division of Water Quality
918, East Divide Avenue
Bismarck, ND – 58501-1947

RE: North Dakota Pollutant Discharge Elimination System
Permit Number: ND-0026247

Enclosed are the Discharge Monitoring Reports (DMR) for the Devils Lake Outlet Project, permit number ND-0026247, for the month of September 2008 and the summaries of the sample results and flow data. Also enclosed is the Acute Toxicity Evaluation prepared by Ascii Corporation.

Effluent sample from the Devils Lake outlet for the Acute Toxicity Evaluation was collected on September 25th 2008. The toxicity test of *Ceriodaphnia dubia* is invalid because of poor lab control survival.

The days the outlet discharged are highlighted in yellow in the summaries. Attached to the summaries are the tables showing average daily outlet discharge, target and measured sulfate concentration at Bremen, water quality results of the samples collected from the upstream location, downstream location and the outlet, the average daily stream flow data and the conductivity data obtained from the USGS gaging station at the upstream and the downstream location. The maximum pH reported for the outlet sample is 9.10, that is greater than the permit maximum of 9.0. The pH of 9.10 was measured in the lab for the sample collected on September 24th. However, the field-measured pH of the same sample was only 7.30, which is within the permitted range. The field pH meter used is calibrated at least once a week.

If you have any questions regarding these reports, please contact me at 701-328-4958.

Sincerely,

Bruce Engelhardt P.E.
Head, Investigations Section
BE:SP:416-10
Enclosure

NORTH DAKOTA POLLUTANT DISCHARGE ELIMINATION SYSTEM (NDPDES)
DISCHARGE MONITORING REPORT (DMR)

1 / Month

Outlet General Summary
 F-FINAL
 MINOR

PERMITTEE NAME/ADDRESS
 ND State Water Commission
 Bismarck ND 58506

001 A
 OUTFALL NO.

FACILITY: Devils Lake Outlet Project
 LOCATION: Benson Co, ND

MONITORING PERIOD
 9/1/08 TO 9/30/08

NO DISCHARGE:

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION		NO. EX.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	MINIMUM			
pH	XXXXX	XXXXX	XXX	8.6		Daily	Grab
EFFLUENT GROSS VALUE				7.0 (see Perm) MINIMUM		Weekly	GRAB
SOLIDS, TOTAL SUSPENDED	XXXXX	XXXXX	XXX	XXXXX		Weekly	Grab
EFFLUENT GROSS VALUE				XXXXX		Weekly	GRAB
SPECIFIC CONDUCTANCE	XXXXX	XXXXX	XXX	623.31		Continuous	Recorder
EFFLUENT GROSS VALUE				REPORT MINIMUM		Continuous	Recorder
SULFATE	XXXXX	XXXXX	XXX	XXXXX		5 x Week	Grab
EFFLUENT GROSS VALUE				XXXXX		5 x Week	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	9.8	38.4	cfs	XXXXX		Continuous	Recorder
EFFLUENT GROSS VALUE				100 (see perm) DAILY MAX		Continuous	Recorder
FLOW, TOTAL	XXXXX	95	MGAL	XXXXX		Continuous	Calc
EFFLUENT GROSS VALUE				REPORT 30 DA TOTAL		Monthly	CALC
DURATION OF DISCHARGE	XXXXX	XXXXX	XXXXX	XXXXX		Monthly	Calc
EFFLUENT GROSS VALUE				XXXXX		Monthly	CALC
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT.		TELEPHONE		DATE		
Bruce Engelhardt Head, Investigations Section			701-328-4958		10/30/08		
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		Number		Mo - Day - Year		

(Reference all attachments here)

Attach summary individual sample results and flow data for outlet, upstream & downstream monitoring locations.
 Provide process control monitoring information by attachment or through electronic media.

Daily Outlet Discharge for the Month of August 2008

Date	Average Daily Outlet Discharge (cfs)	Total Daily Volume (cu-ft)
9/1/08	1.45	125,332
9/2/08	3.54	305,999
9/3/08	1.98	170,945
9/4/08	0.52	45,294
9/5/08	0.26	22,168
9/6/08	0.05	4,665
9/7/08	0.02	1,359
9/8/08	-	-
9/9/08	-	-
9/10/08	-	-
9/11/08	-	-
9/12/08	-	-
9/13/08	-	-
9/14/08	-	-
9/15/08	-	-
9/16/08	-	-
9/17/08	-	-
9/18/08	-	-
9/19/08	-	-
9/20/08	-	-
9/21/08	-	-
9/22/08	-	-
9/23/08	0.71	61,044
9/24/08	10.94	945,097
9/25/08	30.01	2,592,795
9/26/08	38.40	3,317,664
9/27/08	34.65	2,993,589
9/28/08	12.60	1,088,998
9/29/08	2.94	253,875
9/30/08	8.93	771,951
Total		12,700,775
Total		95.00
Total		291.57
Average Flow	9.80	cfs

cu-ft
Mgal
Ac-ft

**Water Quality Results of the samples collected at the outlet
Devils Lake Outlet**

Date	Time	Sampler	Average Daily EC from Outlet Telemetry(μ S/cm)	Lab pH	Lab Sulfate (mg/L)	7 Day Rolling Average of Sulfate for the operating period (mg/L)	Total Suspended Solids (mg/L)	No. of days included in the 7 day Rolling average
9/1/08	-	-	2045.35	-	-	713.40	-	7
9/2/08	13:20	NDSWC	2021.43	8.73	692	704.40	-	7
9/3/08	7:50	NDSWC	2049.50	8.64	683	698.80	<5	7
9/4/08	15:40	NDSWC	2051.93	8.64	691	696.80	-	7
9/5/08	13:40	NDSWC	2004.56	8.76	679	690.80	-	7
9/6/08	-	-	1934.62	-	-	686.25	-	7
9/7/08	-	-	1939.74	-	-	686.25	-	7
9/8/08	-	-	1948.75	-	-	-	-	-
9/9/08	-	-	2041.93	-	-	-	-	-
9/10/08	-	-	2147.78	-	-	-	-	-
9/11/08	-	-	2116.89	-	-	-	-	-
9/12/08	-	-	2216.89	-	-	-	-	-
9/13/08	-	-	2349.61	-	-	-	-	-
9/14/08	-	-	2023.72	-	-	-	-	-
9/15/08	-	-	2074.82	-	-	-	-	-
9/16/08	-	-	2142.86	-	-	-	-	-
9/17/08	-	-	2192.90	-	-	-	-	-
9/18/08	-	-	2242.56	-	-	-	-	-
9/19/08	-	-	2292.91	-	-	-	-	-
9/20/08	-	-	2361.97	-	-	-	-	-
9/21/08	-	-	2295.49	-	-	-	-	-
9/22/08	-	-	771.87	-	-	-	-	-
9/23/08	-	-	623.31	-	-	-	-	1
9/24/08	15:30	NDSWC	1546.59	9.06	633	633.00	-	2
9/25/08	10:40	NDSWC	2044.05	8.83	677	655.00	-	3
9/26/08	10:20	NDSWC	2029.86	8.79	657	655.67	-	4
9/27/08	-	-	2032.07	-	-	655.67	-	5
9/28/08	-	-	2035.25	-	-	655.67	-	6
9/29/08	15:20	NDSWC	2060.43	8.77	688	663.75	-	7
9/30/08	11:00	NDSWC	2074.14	8.72	686	668.20	-	7

NORTH DAKOTA POLLUTANT DISCHARGE ELIMINATION SYSTEM (NDPDES)
DISCHARGE MONITORING REPORT (DMR)

1 / Month
 Upstream General Summary
 F- FINAL
 MINOR

001 A
 OUTFALL NO.


ND-0026247
 PERMIT NUMBER

MONITORING PERIOD
 9/1/08 TO 9/30/08

NO DISCHARGE:

PERMITTEE NAME/ADDRESS
 ND State Water Commission
 Bismarck ND 58506

FACILITY: Devils Lake Outlet Project
 LOCATION: Benson Co, ND

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION			NO. EX.	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE				MAXIMUM
pH	SAMPLE MEASUREMENT	xxxxx	xxx	7.9	8.3	SU	Daily	Grab	
	PERMIT REQUIREMENT			REPORT MINIMUM	REPORT MAXIMUM	SU	Weekly	GRAB	
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	xxxxx	xxx	34.5	44.0	mg/L	Weekly	Grab	
	PERMIT REQUIREMENT			REPORT 30 DA AVG	REPORT DAILY MAX	MG/L	Weekly	GRAB	
UPSTREAM	SAMPLE MEASUREMENT	xxxxx	xxx	684	1280	umho/cm	Continuous	Recorder	
	PERMIT REQUIREMENT			REPORT MINIMUM	REPORT MAXIMUM	umho/cm	Continuous	Recorder	
SULFATE	SAMPLE MEASUREMENT	xxxxx	xxx	240	251.25	mg/L	5 x Week	Grab	
	PERMIT REQUIREMENT			REPORT 30 DA AVG	REPORT MAX 7 DAY AVG	MG/L	5 x Week	GRAB	
FLOW, INSTREAM	SAMPLE MEASUREMENT	44.33	94	xxxxx	xxxxx	xxx	Continuous	Recorder	
	PERMIT REQUIREMENT	REPORT 30 DA AVG	REPORT DAILY MAX				Continuous	Recorder	
UPSTREAM	SAMPLE MEASUREMENT								
	PERMIT REQUIREMENT								
UPSTREAM	SAMPLE MEASUREMENT								
	PERMIT REQUIREMENT								
TYPED OR PRINTED COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) Attach summary individual sample results and flow data for outlet, upstream & downstream monitoring locations. Provide process control monitoring information by attachment or through electronic media. Instream samples and measurements for this summary pertain only to time periods when outlet is actually operated.									
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Bruce Engelhardt Head, Investigations Section							TELEPHONE 701-328-4958		DATE 10/30/08
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 							Number		Mo - Day - Year

**Water Quality Results of the samples collected from the upstream location near Flora
Sheyenne River Above Devils Lake Outlet Near Flora**

Date	Time	Sampler	USGS EC (µS/cm)	Lab pH	Lab Sulfate (mg/L)	7 Day Rolling Average of Sulfate for the operating period (mg/L)	Total Suspended Solids (mg/L)	No. of days included in the 7 day Rolling average
9/1/08	-	-	-	-	-	193.80	-	7
9/2/08	13:10	NDSWC	1280	8.31	262	210.80	-	7
9/3/08	8:10	NDSWC	1240	8.24	246	225.80	25	7
9/4/08	15:30	NDSWC	1230	8.19	242	237.60	-	7
9/5/08	12:30	NDSWC	1240	8.23	255	248.40	-	7
9/6/08	-	-	-	-	-	251.25	-	7
9/7/08	-	-	-	-	-	251.25	-	7
9/8/08	11:00	NDSWC	1250	8.33	272	-	-	-
9/9/08	17:00	NDSWC	1290	8.45	284	-	-	-
9/10/08	8:00	NDSWC	-	8.45	284	-	-	-
9/11/08	8:00	NDSWC	1310	8.42	284	-	-	-
9/12/08	10:00	NDSWC	1310	8.4	288	-	-	-
9/13/08	-	-	-	-	-	-	-	-
9/14/08	-	-	-	-	-	-	-	-
9/15/08	8:30	NDSWC	1360	8.45	302	-	-	-
9/16/08	7:30	NDSWC	1370	8.48	310	-	-	-
9/17/08	12:40	NDSWC	1420	8.49	324	-	-	-
9/18/08	17:00	NDSWC	1410	8.5	303	-	-	-
9/19/08	12:00	NDSWC	1410	8.39	318	-	-	-
9/20/08	-	-	-	-	-	-	-	-
9/21/08	-	-	-	-	-	-	-	-
9/22/08	17:00	NDSWC	1240	7.93	209	-	-	-
9/23/08	8:30	NDSWC	797	8.01	210	210.00	44	1
9/24/08	15:20	NDSWC	684	7.92	172	191.00	-	2
9/25/08	10:15	NDSWC	914	8.08	231	204.33	-	3
9/26/08	10:10	NDSWC	844	7.94	213	206.50	-	4
9/27/08	-	-	-	-	-	206.50	-	5
9/28/08	-	-	-	-	-	206.50	-	6
9/29/08	15:10	NDSWC	1110	8.16	288	222.80	-	7
9/30/08	10:50	NDSWC	1120	8.19	281	237.00	-	7

Average daily streamflow and conductivity data at the upstream location near Flora

USGS Gaging Station Data		
Sheyenne River Above Devils Lake Outlet		
Date	Streamflow (cfs)	EC (μ S/cm)
9/1/08	18	1280
9/2/08	16	1280
9/3/08	14	1240
9/4/08	12	1230
9/5/08	12	1250
9/6/08	12	1270
9/7/08	14	1270
9/8/08	13	1250
9/9/08	12	1270
9/10/08	11	1300
9/11/08	10	1310
9/12/08	9.1	1320
9/13/08	7.8	1350
9/14/08	7.6	1350
9/15/08	7.2	1360
9/16/08	7.2	1380
9/17/08	9.9	1410
9/18/08	8.9	1410
9/19/08	6.9	1420
9/20/08	5.4	1420
9/21/08	5.1	1420
9/22/08	13	1190
9/23/08	92	830
9/24/08	94	706
9/25/08	92	892
9/26/08	89	870
9/27/08	75	1020
9/28/08	53	1120
9/29/08	43	1100
9/30/08	29	1130
Average	44.33	1099.20
Maximum	94.00	1280.00
Minimum	12.00	870.00

NORTH DAKOTA POLLUTANT DISCHARGE ELIMINATION SYSTEM (NDPDES)
DISCHARGE MONITORING REPORT (DMR)

1 / Quarter
 Outlet WET Results
 F- FINAL
 MINOR

PERMITTEE NAME/ADDRESS
 NAME: ND State Water Commission
 ADDRESS: Bismarck ND 58506


ND-0026247
 PERMIT NUMBER

001 W
 OUTFALL NO.

FACILITY: Devils Lake Outlet Project
 LOCATION: Benson Co, ND

MONITORING PERIOD
 9/1/08 TO 9/30/08

NO DISCHARGE:

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX.	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
P/F STATRE 48HR ACU CERIODAPHNIA	XXXXX	XXXXX		XXXXX	XXXXX	0.0	See Cover Letter			
TGM3B 1 0 0 EFFLUENT GROSS VALUE						0 DAILY MAX	PASS=0 FAIL=1	QUART-ERLY	GRAB	
P/F STATRE 96HR ACU PIMEPHALES PROMELAS	XXXXX	XXXXX		XXXXX	XXXXX	0.0	Pass			
TGN6C 1 0 0 EFFLUENT GROSS VALUE						0 DAILY MAX	PASS=0 FAIL=1	QUART-ERLY	GRAB	
SAMPLE MEASUREMENT PERMIT REQUIREMENT										
SAMPLE MEASUREMENT PERMIT REQUIREMENT										
SAMPLE MEASUREMENT PERMIT REQUIREMENT										
SAMPLE MEASUREMENT PERMIT REQUIREMENT										
SAMPLE MEASUREMENT PERMIT REQUIREMENT										
SAMPLE MEASUREMENT PERMIT REQUIREMENT										
SAMPLE MEASUREMENT PERMIT REQUIREMENT										
SAMPLE MEASUREMENT PERMIT REQUIREMENT										
SAMPLE MEASUREMENT PERMIT REQUIREMENT										
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT.				TELEPHONE		DATE	
Bruce Engelhardt Head, Investigations Section			 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT				701-328-4958		10/30/08	
TYPED OR PRINTED			COMMENT AND EXPLANATION OF ANY VIOLATIONS				Number		Mo - Day - Year	

ACUTE TOXICITY OCCURS WHEN 50 PERCENT OR MORE MORTALITY IS OBSERVED FOR EITHER SPECIES AT ANY EFFLUENT CONCENTRATION.

Target and measured sulfate at downstream location (Bremen)

Date	Average Daily Outlet Flow (cfs)	Gaged flow at Bremen	Sulfate at the Outlet (mg/L)	Sulfate at Bremen (mg/L)	Baseflow at Bremen (cfs)	Background Concentration (mg/L)	Target sulfate at Bremen based on the permit (mg/L)	7 Day Rolling Average of target sulfate at Bremen during the operating period (mg/L)	7 Day Rolling Average of actual measured sulfate at Bremen during the operating period (mg/L)	No. of days included in the 7 day Rolling average
9/1/08	1.45	65	-	-	63.55	-	-	302.06	273.6	7
9/2/08	3.54	60	692	382	56.46	362.55	416.94	325.45	294.6	7
9/3/08	1.98	53	683	353	51.02	340.20	391.23	343.69	318.6	7
9/4/08	0.52	48	691	330	47.48	326.01	374.92	358.68	336.6	7
9/5/08	0.26	45	679	369	44.74	367.22	422.31	383.14	358.4	7
9/6/08	0.05	39	-	-	38.95	-	-	401.35	358.5	7
9/7/08	0.02	37	-	-	36.98	-	-	401.35	358.5	7
9/8/08	-	36	-	315	-	-	-	-	-	-
9/9/08	-	34	-	312	-	-	-	-	-	-
9/10/08	-	31	-	312	-	-	-	-	-	-
9/11/08	-	30	-	297	-	-	-	-	-	-
9/12/08	-	26	-	289	-	-	-	-	-	-
9/13/08	-	24	-	-	-	-	-	-	-	-
9/14/08	-	21	-	-	-	-	-	-	-	-
9/15/08	-	17	-	293	-	-	-	-	-	-
9/16/08	-	15	-	299	-	-	-	-	-	-
9/17/08	-	14	-	303	-	-	-	-	-	-
9/18/08	-	17	-	304	-	-	-	-	-	-
9/19/08	-	20	-	308	-	-	-	-	-	-
9/20/08	-	18	-	-	-	-	-	-	-	-
9/21/08	-	14	-	-	-	-	-	-	-	-
9/22/08	-	23	-	283	-	-	-	-	-	-
9/23/08	0.71	81	-	283	80.29	-	-	-	283	1
9/24/08	10.94	263	633	232	252.06	214.60	300.00	300.00	257.5	2
9/25/08	30.01	361	677	199	330.99	155.66	300.00	300.00	238	3
9/26/08	38.40	331	657	241	292.60	186.41	300.00	300.00	238.75	4
9/27/08	34.65	253	-	-	218.35	-	-	300.00	238.75	5
9/28/08	12.60	181	-	-	168.40	-	-	300.00	238.75	6
9/29/08	2.94	112	688	401	109.06	393.27	450.00	337.50	271.2	7
9/30/08	8.93	79	686	392	70.07	354.51	407.69	351.54	293	7

**Water Quality Results of the samples collected from the downstream location near Bremen
Sheyenne River Below Devils Lake Outlet Near Bremen**

Date	Time	Sampler	USGS EC (µS/cm)	Lab pH	Lab Sulfate (mg/L)	7 Day Rolling Average of Sulfate for the operating period (mg/L)	Total Suspended Solids (mg/L)	No. of days included in the 7 day Rolling average
9/1/08	-	-	-	-	-	273.60	-	7
9/2/08	12:40	NDSWC	1420	8.31	382	294.60	-	7
9/3/08	8:40	NDSWC	1400	8.26	353	318.60	40	7
9/4/08	15:00	NDSWC	1380	8.2	330	336.60	-	7
9/5/08	12:50	NDSWC	1460	8.23	369	358.40	-	7
9/6/08	-	-	-	-	-	358.50	-	7
9/7/08	-	-	-	-	-	358.50	-	7
9/8/08	10:25	NDSWC	1370	8.24	315	-	-	-
9/9/08	16:30	NDSWC	1390	8.3	312	-	-	-
9/10/08	8:45	NDSWC	1370	8.32	312	-	46	-
9/11/08	8:30	NDSWC	1350	8.33	297	-	-	-
9/12/08	9:30	NDSWC	1330	8.34	289	-	-	-
9/13/08	-	-	-	-	-	-	-	-
9/14/08	-	-	-	-	-	-	-	-
9/15/08	9:00	NDSWC	1330	8.4	293	-	-	-
9/16/08	9:20	NDSWC	1350	8.44	299	-	-	-
9/17/08	12:10	NDSWC	1380	8.43	303	-	-	-
9/18/08	16:30	NDSWC	1390	8.52	304	-	-	-
9/19/08	11:30	NDSWC	1400	8.38	308	-	-	-
9/20/08	-	-	-	-	-	-	-	-
9/21/08	-	-	-	-	-	-	-	-
9/22/08	16:30	NDSWC	1360	8.42	283	-	-	-
9/23/08	9:30	NDSWC	1190	8.45	283	283	45	1
9/24/08	15:00	NDSWC	845	7.98	232	257.5	-	2
9/25/08	9:45	NDSWC	772	7.9	199	238	-	3
9/26/08	9:40	NDSWC	906	7.89	241	238.75	-	4
9/27/08	-	-	-	-	-	238.75	-	5
9/28/08	-	-	-	-	-	238.75	-	6
9/29/08	14:40	NDSWC	1350	8.22	401	271.2	-	7
9/30/08	10:20	NDSWC	1330	8.17	392	293	-	7

Average daily streamflow and conductivity data at the downstream

location near Bremen		
USGS Gaging Station Data		
Sheyenne River Below Devils Lake Outlet		
Date	Streamflow (cfs)	EC (µS/cm)
9/1/08	65	1450
9/2/08	60	1440
9/3/08	53	1390
9/4/08	48	1380
9/5/08	45	1450
9/6/08	39	1440
9/7/08	37	1410
9/8/08	36	1370
9/9/08	34	1380
9/10/08	31	1370
9/11/08	30	1350
9/12/08	26	1330
9/13/08	24	1330
9/14/08	21	1320
9/15/08	17	1340
9/16/08	15	1360
9/17/08	14	1380
9/18/08	17	1390
9/19/08	20	1400
9/20/08	18	1420
9/21/08	14	1430
9/22/08	23	1340
9/23/08	81	1180
9/24/08	263	949
9/25/08	361	761
9/26/08	331	925
9/27/08	253	1150
9/28/08	181	1210
9/29/08	112	1340
9/30/08	79	1320
Average	133.87	1253.00
Maximum	361.00	1450.00
Minimum	34.00	761.00

NORTH DAKOTA POLLUTANT DISCHARGE ELIMINATION SYSTEM (NDPDES)
DISCHARGE MONITORING REPORT (DMR)

1 / Month
 Downstream General Summary
 F- FINAL
 MINOR

001 A
 OUTFALL NO.


ND-0026247
 PERMIT NUMBER

MONITORING PERIOD
 9/1/08 TO 9/30/08

NO DISCHARGE:

PERMITTEE NAME/ADDRESS
 ND State Water Commission
 Bismarck ND 58506

FACILITY: Devils Lake Outlet Project
 LOCATION: Benson Co, ND

PARAMETER	SAMPLE MEASUREMENT PERMIT REQUIREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX.	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
pH	SAMPLE MEASUREMENT PERMIT REQUIREMENT	XXXXX	XXXXX	XXX	7.9	8.5	SU		Daily	Grab	
DOWNSTREAM	SAMPLE MEASUREMENT PERMIT REQUIREMENT	XXXXX	XXXXX	XXX	REPORT MINIMUM	REPORT MAXIMUM	SU		Weekly	GRAB	
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT PERMIT REQUIREMENT	XXXXX	XXXXX	XXX	772	1460	umho/cm		Continuous	Recorder	
DOWNSTREAM	SAMPLE MEASUREMENT PERMIT REQUIREMENT	XXXXX	XXXXX	XXX	REPORT MINIMUM	REPORT DAILY MAX	MG/L		Weekly	GRAB	
SPECIFIC CONDUCTANCE	SAMPLE MEASUREMENT PERMIT REQUIREMENT	XXXXX	XXXXX	XXX	318.2	358.5	mg/L		5 x Week	Grab	
DOWNSTREAM	SAMPLE MEASUREMENT PERMIT REQUIREMENT	XXXXX	XXXXX	XXX	REPORT MINIMUM	REPORT MAXIMUM	umho/cm		Continuous	Recorder	
SULFATE	SAMPLE MEASUREMENT PERMIT REQUIREMENT	XXXXX	XXXXX	XXX	XXXXX	450 mg/l	MG/L		5 x Week	GRAB	
DOWNSTREAM	SAMPLE MEASUREMENT PERMIT REQUIREMENT	XXXXX	XXXXX	XXX	XXXXX	MAX 7 DAY AVG	MG/L		5 x Week	GRAB	
FLOW, INSTREAM	SAMPLE MEASUREMENT PERMIT REQUIREMENT	133.87	361		XXXXX	XXXXX	xxx		Continuous	Recorder	
DOWNSTREAM	SAMPLE MEASUREMENT PERMIT REQUIREMENT	REPORT 30 DA AVG	600 (see perm) DAILY MAX	cfs					Continuous	Recorder	
	SAMPLE MEASUREMENT PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT PERMIT REQUIREMENT										
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT.			SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			TELEPHONE	DATE		
Bruce Engelhardt Head, Investigations Section								701-328-4958	10/30/08		
TYPED OR PRINTED								Number	Mo - Day - Year		

COMMENT AND EXPLANATION OF ANY VIOLATIONS
 Attach summary individual sample results and flow data for outlet, upstream & downstream monitoring locations.
 Provide summary control monitoring information by attachment or through electronic media.
 Instream samples and measurements for this summary pertain only to time periods when outlet is actually operated.

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